



Dimensions: 105(D)x139.2(W)x110(H) mm

ADS500-24H2

500Watts, Three Phase power supply

Features

- High power density
- RoHS compliance
- Built-in cooling fan
- 3 year warranty
- Great reliability
- DIN Rail / Wall bracket mounting solution
- Over voltage protection
- Overload protection
- Over current protection
- Short circuit protection

Safety Standards



EN 55032 (Marking)

EMC Standards

EN55011	Class A
EN55022	Class A
EN55032	Class A
EN61000-4-2	Level 3
EN61000-4-3	Level 3
EN61000-4-4	Level 3
EN61000-4-5	Level 3
EN61000-4-6	Level 3
EN61000-4-8	Level 3
EN61000-4-11	Level 3

Model List

Model	O/P Voltage Adjustment	Min.	Loading Rated	Max.	Ripple Noise	Efficiency	Over Voltage Protection
ADS500-24H2	+24VDC±10%	0A	20A	20A	200mVp-p	85%	27~30VDC

Specification

General

Switching Frequency		80-90kHz
Isolation Voltage	Input-Output	3000VAC /4242VDC
	Input-FG	1500VAC/2121VDC
	Output-FG	500VAC/ 710VDC
Isolation Resistance		100MΩ when Input-Output @500VDC
Operating Temperature		-40°C~40°C ambient
Derating		2.5% per degree from 40°C to 60°C

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Specification

General

Storage Temperature	-40°C to +85°C
Relative Humidity	5%~95% RH, Non-condensing.
Temperature Coefficient	±0.04% of output voltage per °C
MTBF	60,000hrs Min. Per MIL-HDBK-217F, 25°C GB
Attitude During Operation	2000m
Installation position	Vertical
Vibration	Random Vibration, 10~500Hz. 3 axise

Input

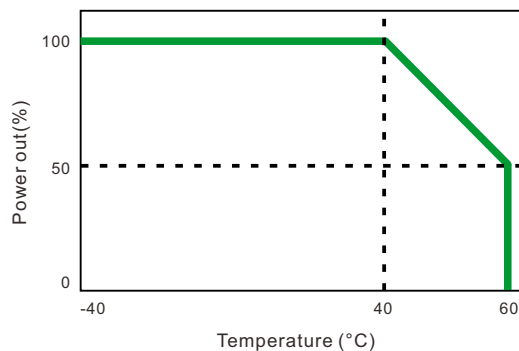
Input Voltage	360-440VAC
Input Frequency	47~63Hz
Inrush Current(COLD START)	40A / 400VAC
Rated Input Current	2A Max. Vi=400VAC
Leakage Current	Input-output 0.4mA, Input-FG 5.5mA

Output

Output Voltage accuracy		±1%
Minimun Load		0%
Line Regulation		±1%, measuring from low line to high line rated load
Load Regulation		±2%, measuring from 20% to 100% of rated load at 380VAC input.
Voltage Trim Range		±10%
Rated Continuous Loading		20A@24VDC
Hold Up Time		20mS Min., Full load@400VAC.
Turn On Time		1000mS
Rise Time		15mS
Fall Time		35mS
Transient Response	Recovery Time	2mS, Load change 50% to 100%
	Voltage Deviation	5%, Load change 50% to 100%
Efficiency		85%, measuring at rated load and 230VAC input
Ripple and Noise		See model list, measuring by using a 0.1μF/630V metalize capacitor and a 47μF electrolytic capacitor parallel on the test point, at rated load and 230VAC input.

Specification**Protection**

Input Fuse	3.15A/250V * 3
Internal Surge Load Protection	Varistor, IEC6100-4-5
Degree of Protection	IP20
Short Circuit Protection	Autorecovery
Over Voltage Protection	Autorecovery
Rated Over Load Protection	110~130%
Overload protection	Power limited

Derating Curve**Mechanical Details**